

# **Covid-19 Impact on Next generation non-volatile memory (NVM) technologies Market, Global Research Reports 2020-2021**

<https://marketpublishers.com/r/CB860DB19A15EN.html>

Date: June 2020

Pages: 94

Price: US\$ 3,250.00 (Single User License)

ID: CB860DB19A15EN

## **Abstracts**

This report covers market size and forecasts of Next generation non-volatile memory (NVM) technologies, including the following market information:

Global Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Next generation non-volatile memory (NVM) technologies Market Size by Type and by Application, 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Next generation non-volatile memory (NVM) technologies Market Size by Region (and Key Countries), 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Next generation non-volatile memory (NVM) technologies Market Size by Company, 2019- 2020 (quarterly data), (US\$ Million)

### Key market players

Major competitors identified in this market include Samsung (South Korea), Toshiba (Japan), Micron (US), Intel (US), Western Digital (US), SK Hynix (South Korea), Fujitsu (Japan), Everspin (US), Adesto (US), Microchip (US), Avalanche (US), Cypress (US), etc.

Based on the Region:

Asia-Pacific (China, Japan, South Korea, India and ASEAN)

North America (US and Canada)

Europe (Germany, France, UK and Italy)

Rest of World (Latin America, Middle East & Africa)

Based on the Type:

ReRAM

STT-MRAM

3D XPoint

Based on the Application:

Mobile phones

Cache memory and enterprise storage

Industrial and automotive

Others

## Contents

- 1.1 Research Scope
- 1.2 Market Segmentation
- 1.3 Research Objectives
- 1.4 Research Methodology
  - 1.4.1 Research Process
  - 1.4.2 Data Triangulation
  - 1.4.3 Research Approach
  - 1.4.4 Base Year
- 1.5 Coronavirus Disease 2019 (Covid-19) Impact Will Have a Severe Impact on Global Growth
  - 1.5.1 Covid-19 Impact: Global GDP Growth, 2019, 2020 and 2021 Projections
  - 1.5.2 Covid-19 Impact: Commodity Prices Indices
  - 1.5.3 Covid-19 Impact: Global Major Government Policy
- 1.6 The Covid-19 Impact on Next generation non-volatile memory (NVM) technologies Industry
- 1.7 COVID-19 Impact: Next generation non-volatile memory (NVM) technologies Market Trends

## **2 GLOBAL NEXT GENERATION NON-VOLATILE MEMORY (NVM) TECHNOLOGIES QUARTERLY MARKET SIZE ANALYSIS**

- 2.1 Next generation non-volatile memory (NVM) technologies Business Impact Assessment - COVID-19
  - 2.1.1 Global Next generation non-volatile memory (NVM) technologies Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026
- 2.2 Global Next generation non-volatile memory (NVM) technologies Quarterly Market Size 2020-2021
- 2.3 COVID-19-Driven Market Dynamics and Factor Analysis
  - 2.3.1 Drivers
  - 2.3.2 Restraints
  - 2.3.3 Opportunities
  - 2.3.4 Challenges

## **3 QUARTERLY COMPETITIVE ASSESSMENT, 2020**

- 3.1 By Players, Global Next generation non-volatile memory (NVM) technologies Quarterly Market Size, 2019 VS 2020

3.2 By Players, Next generation non-volatile memory (NVM) technologies Headquarters and Area Served

3.3 Date of Key Players Enter into Next generation non-volatile memory (NVM) technologies Market

3.4 Key Players Next generation non-volatile memory (NVM) technologies Product Offered

3.5 Mergers & Acquisitions, Expansion Plans

## **4 IMPACT OF COVID-19 ON NEXT GENERATION NON-VOLATILE MEMORY (NVM) TECHNOLOGIES SEGMENTS, BY TYPE**

4.1 Introduction

1.4.1 ReRAM

1.4.2 STT-MRAM

1.4.3 3D XPoint

4.2 By Type, Global Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021

## **5 IMPACT OF COVID-19 ON NEXT GENERATION NON-VOLATILE MEMORY (NVM) TECHNOLOGIES SEGMENTS, BY APPLICATION**

5.1 Overview

5.5.1 Mobile phones

5.5.2 Cache memory and enterprise storage

5.5.3 Industrial and automotive

5.5.4 Others

5.2 By Application, Global Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021

5.2.1 By Application, Global Next generation non-volatile memory (NVM) technologies Market Size by Application, 2019-2021

## **6 GEOGRAPHIC ANALYSIS**

6.1 Introduction

6.2 North America

6.2.1 Macroeconomic Indicators of US

6.2.2 US

6.2.3 Canada

6.3 Europe

- 6.3.1 Macroeconomic Indicators of Europe
- 6.3.2 Germany
- 6.3.3 France
- 6.3.4 UK
- 6.3.5 Italy
- 6.4 Asia-Pacific
  - 6.4.1 Macroeconomic Indicators of Asia-Pacific
  - 6.4.2 China
  - 6.4.3 Japan
  - 6.4.4 South Korea
  - 6.4.5 India
  - 6.4.6 ASEAN
- 6.5 Rest of World
  - 6.5.1 Latin America
  - 6.5.2 Middle East and Africa

## **7 COMPANY PROFILES**

- 7.1 Samsung (South Korea)
  - 7.1.1 Samsung (South Korea) Business Overview
  - 7.1.2 Samsung (South Korea) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020
  - 7.1.3 Samsung (South Korea) Next generation non-volatile memory (NVM) technologies Product Introduction
  - 7.1.4 Samsung (South Korea) Response to COVID-19 and Related Developments
- 7.2 Toshiba (Japan)
  - 7.2.1 Toshiba (Japan) Business Overview
  - 7.2.2 Toshiba (Japan) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020
  - 7.2.3 Toshiba (Japan) Next generation non-volatile memory (NVM) technologies Product Introduction
  - 7.2.4 Toshiba (Japan) Response to COVID-19 and Related Developments
- 7.3 Micron (US)
  - 7.3.1 Micron (US) Business Overview
  - 7.3.2 Micron (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020
  - 7.3.3 Micron (US) Next generation non-volatile memory (NVM) technologies Product Introduction
  - 7.3.4 Micron (US) Response to COVID-19 and Related Developments

## 7.4 Intel (US)

7.4.1 Intel (US) Business Overview

7.4.2 Intel (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.4.3 Intel (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.4.4 Intel (US) Response to COVID-19 and Related Developments

## 7.5 Western Digital (US)

7.5.1 Western Digital (US) Business Overview

7.5.2 Western Digital (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.5.3 Western Digital (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.5.4 Western Digital (US) Response to COVID-19 and Related Developments

## 7.6 SK Hynix (South Korea)

7.6.1 SK Hynix (South Korea) Business Overview

7.6.2 SK Hynix (South Korea) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.6.3 SK Hynix (South Korea) Next generation non-volatile memory (NVM) technologies Product Introduction

7.6.4 SK Hynix (South Korea) Response to COVID-19 and Related Developments

## 7.7 Fujitsu (Japan)

7.7.1 Fujitsu (Japan) Business Overview

7.7.2 Fujitsu (Japan) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.7.3 Fujitsu (Japan) Next generation non-volatile memory (NVM) technologies Product Introduction

7.7.4 Fujitsu (Japan) Response to COVID-19 and Related Developments

## 7.8 Everspin (US)

7.8.1 Everspin (US) Business Overview

7.8.2 Everspin (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.8.3 Everspin (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.8.4 Everspin (US) Response to COVID-19 and Related Developments

## 7.9 Adesto (US)

7.9.1 Adesto (US) Business Overview

7.9.2 Adesto (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.9.3 Adesto (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.9.4 Adesto (US) Response to COVID-19 and Related Developments

7.10 Microchip (US)

7.10.1 Microchip (US) Business Overview

7.10.2 Microchip (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.10.3 Microchip (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.10.4 Microchip (US) Response to COVID-19 and Related Developments

7.11 Avalanche (US)

7.11.1 Avalanche (US) Business Overview

7.11.2 Avalanche (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.11.3 Avalanche (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.11.4 Avalanche (US) Response to COVID-19 and Related Developments

7.12 Cypress (US)

7.12.1 Cypress (US) Business Overview

7.12.2 Cypress (US) Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2020

7.12.3 Cypress (US) Next generation non-volatile memory (NVM) technologies Product Introduction

7.12.4 Cypress (US) Response to COVID-19 and Related Developments

## **8 KEY FINDINGS**

## **9 APPENDIX**

9.1 About US

9.2 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Overview of the World Economic Outlook Projections

Table 2. Summary of World Real per Capita Output (Annual percent change; in international currency at purchasing power parity)

Table 3. European Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 4. Asian and Pacific Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 5. Western Hemisphere Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 6. Middle Eastern and Central Asian Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 7. Covid-19 Impact: Global Major Government Policy

Table 8. The Covid-19 Impact on Next generation non-volatile memory (NVM) technologies Assessment

Table 9. COVID-19 Impact: Next generation non-volatile memory (NVM) technologies Market Trends

Table 10. COVID-19 Impact Global Next generation non-volatile memory (NVM) technologies Market Size

Table 11. Global Next generation non-volatile memory (NVM) technologies Quarterly Market Size, 2020 (US\$ Million)

Table 12. Global Next generation non-volatile memory (NVM) technologies Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (US\$ Million)

Table 13. Global Next generation non-volatile memory (NVM) technologies Market Growth Drivers

Table 14. Global Next generation non-volatile memory (NVM) technologies Market Restraints

Table 15. Global Next generation non-volatile memory (NVM) technologies Market Opportunities

Table 16. Global Next generation non-volatile memory (NVM) technologies Market Challenges

Table 17. By Players, Next generation non-volatile memory (NVM) technologies Quarterly Revenue, 2019 VS 2020 (US\$ Million)

Table 18. Key Players, Next generation non-volatile memory (NVM) technologies Revenue Market Share, 2019 VS 2020 (%)



Table 19. Key Next generation non-volatile memory (NVM) technologies Players  
Headquarters and Area Served

Table 20. Date of Key Players Enter into Next generation non-volatile memory (NVM)  
technologies Market

Table 21. Key Players Next generation non-volatile memory (NVM) technologies  
Product Type

Table 22. Mergers & Acquisitions, Expansion Plans

Table 23. By Players, Global Next generation non-volatile memory (NVM) technologies  
Market Size 2019-2021, (US\$ Million)

Table 24. Global Next generation non-volatile memory (NVM) technologies Market Size  
by Application: 2019-2021 (US\$ Million)

Table 25. Global Next generation non-volatile memory (NVM) technologies Market Size  
by Region, 2019-2021 (US\$ Million)

Table 26. By Country, North America Next generation non-volatile memory (NVM)  
technologies Market Size, 2019-2021 (US\$ Million)

Table 27. By Type, US Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 28. By Application, US Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 29. By Type, Canada Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 30. By Application, Canada Next generation non-volatile memory (NVM)  
technologies Market Size, 2019-2021 (US\$ Million)

Table 31. Macroeconomic Indicators of Europe (Germany, France, UK and Italy)

Table 32. By Country, Europe Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 33. By Type, Germany Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 34. By Application, Germany Next generation non-volatile memory (NVM)  
technologies Market Size, 2019-2021 (US\$ Million)

Table 35. By Type, France Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 36. By Application, France Next generation non-volatile memory (NVM)  
technologies Market Size, 2019-2021 (US\$ Million)

Table 37. By Type, UK Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 38. By Application, UK Next generation non-volatile memory (NVM) technologies  
Market Size, 2019-2021 (US\$ Million)

Table 39. By Type, Italy Next generation non-volatile memory (NVM) technologies

Market Size, 2019-2021 (US\$ Million)

Table 40. By Application, Italy Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 41. Macroeconomic Indicators of Asia-Pacific (China, Japan, South Korea, India and ASEAN)

Table 42. By Region, Asia-Pacific Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 43. By Type, China Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 44. By Application, China Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 45. By Type, Japan Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 46. By Application, Japan Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 47. By Type, South Korea Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 48. By Application, South Korea Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 49. By Type, India Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 50. By Application, India Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 51. By Type, ASEAN Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 52. By Application, ASEAN Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 53. By Type, Latin America Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 54. By Application, Latin America Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 55. By Type, Middle East and Africa Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 56. By Application, Middle East and Africa Next generation non-volatile memory (NVM) technologies Market Size, 2019-2021 (US\$ Million)

Table 57. Samsung (South Korea) Business Overview

Table 58. Samsung (South Korea) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 59. Samsung (South Korea) Next generation non-volatile memory (NVM)

technologies Product

Table 60. Samsung (South Korea) Response to COVID-19 and Related Developments

Table 61. Toshiba (Japan) Business Overview

Table 62. Toshiba (Japan) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 63. Toshiba (Japan) Next generation non-volatile memory (NVM) technologies Product

Table 64. Toshiba (Japan) Response to COVID-19 and Related Developments

Table 65. Micron (US) Business Overview

Table 66. Micron (US) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 67. Micron (US) Next generation non-volatile memory (NVM) technologies Product

Table 68. Micron (US) Response to COVID-19 and Related Developments

Table 69. Intel (US) Business Overview

Table 70. Intel (US) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 71. Intel (US) Next generation non-volatile memory (NVM) technologies Product

Table 72. Intel (US) Response to COVID-19 and Related Developments

Table 73. Western Digital (US) Business Overview

Table 74. Western Digital (US) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 75. Western Digital (US) Next generation non-volatile memory (NVM) technologies Product

Table 76. Western Digital (US) Response to COVID-19 and Related Developments

Table 77. SK Hynix (South Korea) Business Overview

Table 78. SK Hynix (South Korea) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 79. SK Hynix (South Korea) Next generation non-volatile memory (NVM) technologies Product

Table 80. SK Hynix (South Korea) Response to COVID-19 and Related Developments

Table 81. Fujitsu (Japan) Business Overview

Table 82. Fujitsu (Japan) Next generation non-volatile memory (NVM) technologies Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 83. Fujitsu (Japan) Next generation non-volatile memory (NVM) technologies Product

Table 84. Fujitsu (Japan) Response to COVID-19 and Related Developments

Table 85. Everspin (US) Business Overview

Table 86. Everspin (US) Next generation non-volatile memory (NVM) technologies

Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 87. Everspin (US) Next generation non-volatile memory (NVM) technologies  
Product

Table 88. Everspin (US) Response to COVID-19 and Related Developments

Table 89. Adesto (US) Business Overview

Table 90. Adesto (US) Next generation non-volatile memory (NVM) technologies  
Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 91. Adesto (US) Next generation non-volatile memory (NVM) technologies  
Product

Table 92. Adesto (US) Response to COVID-19 and Related Developments

Table 93. Microchip (US) Business Overview

Table 94. Microchip (US) Next generation non-volatile memory (NVM) technologies  
Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 95. Microchip (US) Next generation non-volatile memory (NVM) technologies  
Product

Table 96. Microchip (US) Response to COVID-19 and Related Developments

Table 97. Avalanche (US) Business Overview

Table 98. Avalanche (US) Next generation non-volatile memory (NVM) technologies  
Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 99. Avalanche (US) Next generation non-volatile memory (NVM) technologies  
Product

Table 100. Avalanche (US) Response to COVID-19 and Related Developments

Table 101. Cypress (US) Business Overview

Table 102. Cypress (US) Next generation non-volatile memory (NVM) technologies  
Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 103. Cypress (US) Next generation non-volatile memory (NVM) technologies  
Product

Table 104. Cypress (US) Response to COVID-19 and Related Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Next generation non-volatile memory (NVM) technologies Product Picture
- Figure 2. Next generation non-volatile memory (NVM) technologies Market Segmentation
- Figure 3. Research Objectives
- Figure 4. Research Process
- Figure 5. Data Triangulation
- Figure 6. Research Approach
- Figure 7. Commodity Prices-Metals Price Indices
- Figure 8. Commodity Prices- Precious Metal Price Indices
- Figure 9. Commodity Prices- Agricultural Raw Material Price Indices
- Figure 10. Commodity Prices- Food and Beverage Price Indices
- Figure 11. Commodity Prices- Fertilizer Price Indices
- Figure 12. Commodity Prices- Energy Price Indices
- Figure 13. G20+: Economic Policy Responses to COVID-19
- Figure 14. Global Next generation non-volatile memory (NVM) technologies Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026 (US\$ Million)
- Figure 15. Global Next generation non-volatile memory (NVM) technologies Market Size, Pre-COVID-19 and Post- COVID-19, Year-over-Year Growth Rate, 2015-2026 (%)
- Figure 16. Global Next generation non-volatile memory (NVM) technologies Market Size, Quarterly Growth, 2020-2021 (%)
- Figure 17. Global Next generation non-volatile memory (NVM) technologies Market Size, Market Share by Type, 2019 VS 2020 (%)
- Figure 18. Global Next generation non-volatile memory (NVM) technologies Market Size, Market Share by Application, 2019 VS 2020 (%)
- Figure 19. Global Next generation non-volatile memory (NVM) technologies Market Size Market Share by Region, 2019 VS 2020 (%)
- Figure 20. United States Composite PMI and GDP
- Figure 21. Eurozone Composite PMI and GDP
- Figure 22. Eurozone Core v. Periphery PMI Output Indices
- Figure 23. Core v. Periphery PMI Employment Indices
- Figure 24. UK Composite PMI and GDP
- Figure 25. Caixin China Composite Output Index
- Figure 26. Caixin China General Services Business Activity Index
- Figure 27. Japan Composite Output Index
- Figure 28. South Korea Manufacturing PMI

Figure 29. India Composite Output Index

Figure 30. ASEAN Manufacturing PMI

Figure 31. By Region, Asia-Pacific Next generation non-volatile memory (NVM) technologies Market Size Market Share, 2019-2021

## I would like to order

Product name: Covid-19 Impact on Next generation non-volatile memory (NVM) technologies Market, Global Research Reports 2020-2021

Product link: <https://marketpublishers.com/r/CB860DB19A15EN.html>

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CB860DB19A15EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

